



AIR CONSUMPTION FOR SUCTION SYSTEMS (CFM)¹

NOZZLE I.D. ⁴	PRESSURES (psi) ²					
	40	50	60	70	80	100 ⁰
1/4"	12	15	17	19	21	26
5/16"	19	23	27	30	34	42
3/8"	27	33	38	43	48	58
7/16"	38	46	52	60	65	80
1/2"	49	58	67	76	85	94

AIR CONSUMPTION FOR PRESSURE SYSTEMS (CFM)¹

Nozzle I.D. ⁴	Units	PRESSURES (psi) ²												
		20	25	30	35	40	45	50	60	70	80	90	100 ⁰	120
1/8"	cfm ¹	7	7	8	9	10	12	13	14	15	17	19	20	25
	lb/h ³	48	48	55	62	69	83	77	82	110	127	140	154	192
3/16"	cfm ¹	15	16	18	20	22	24	26	30	33	38	41	45	55
	lb/h ³	94	101	114	127	140	153	166	192	220	243	268	297	363
1/4"	cfm ¹	27	30	34	37	41	45	49	55	61	68	74	81	97
	lb/h ³	174	193	219	251	276	303	329	369	398	460	504	556	666
5/16"	cfm ¹	42	46	53	57	65	70	76	88	101	113	126	137	152
	lb/h ³	254	278	320	345	394	425	462	528	680	756	832	910	1010
3/8"	cfm ¹	55	63	76	82	91	100	109	126	143	161	173	196	220
	lb/h ³	374	428	517	558	620	682	744	860	970	1080	1184	1296	1454
7/16"	cfm ¹	72	85	100	112	124	137	149	170	194	217	240	254	300
	lb/h ³	488	576	678	759	840	835	908	1160	1320	1476	1630	1782	2104
1/2"	cfm ¹	96	112	129	146	165	179	195	224	252	280	309	338	392
	lb/h ³	629	734	845	976	1103	1197	1305	1500	1700	1890	2088	2277	2640
5/8"	cfm ¹	173	195	212	239	260	282	308	356	404	452	504	548	611
	lb/h ³	1081	1219	1325	1470	1600	1716	1875	2140	2422	2690	2973	3250	3623

LEGEND

⁰ Optimal pressure

¹ cfm: compressed air required in cubic feet per minute

² psi: pounds per square inch

³ lb/h: abrasive consumption in pounds per hour

⁴ Nozzle I.D.: nozzle interior diameter

